Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

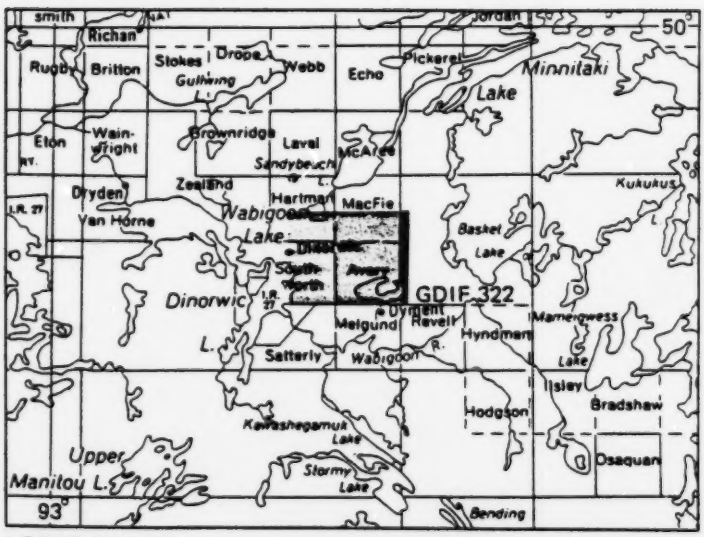
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 322

MELGUND LAKE

DISTRICT OF KENORA

Compiled by the Staff of
the Resident Geologist's Office
Kenora



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

87-01243/

Mining Claim Map Number Melgund Lake Area, M-1986, M-1945, M-2041, M-2677

This project was funded by the former Ontario Ministry of Northern Affairs through the Northern Ontario Geological Survey (NOGS) Program.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1986: Melgund Lake Area, District of Kenora; Ontario Geological Survey, Geological Data Inventory Folio 322 ; compiled by the staff of the Resident Geologist's Office, Kenora, 18 pages and 2 maps.

Original Compilation by: M.R. Patterson, R. Schienbein

Date	Page Revised	Revised by

Date	Page Revised	Revised by

TABLE OF CONTENTS

Data Sources Checklist 1
Metals and Minerals Reference List 2
Mineral Occurrences 3
Type of Work 5
Drill Hole Summary 6
Airborne Geophysical Survey Data 8
Geochemical Survey Data 9
Miscellaneous Data 10
Newspaper Clipping File 11
ODM General Index Search 12
Selected References 14
Notes and Addenda 18

ACCOMPANYING MAPS

Property Location Map - 1 Map

Exploration Data Map - 1 Map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	RS JAN/86
2	Assessment Files Research Office, Toronto		
3	ODM General Index; 9 volumes	YES	RS JAN/86
4	Catalogue of Airborne Geophysical Surveys (ODM)		
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	RS JAN/86
6	ODM Industrial Mineral Reports	YES	RS JAN/86
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	RS JAN/86
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	RS JAN/86
9	Newspaper Clippings File	NO	RS JAN/86
10	GSC Index to Publications		
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	RS JAN/86
12	OGS Index Maps	YES	RS JAN/86
13	Source Mineral Deposit Records (O.G.S.) and MDIR'S	YES	RS JAN/86
14	Author - Subject Articles File		
15	Miscellaneous Papers: ODM & OGS	YES	RS JAN/86
16	ODM Geological Circulars: OGS Study Series	NO	RS JAN/86
17	ODM Preliminary Reports: ODM Bulletins	YES	RS JAN/86
18	ODM – OGS Open File Reports	YES	RS JAN/86
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	RS JAN/86
20	OGS Aggregate Resources Inventory Papers	NO	RS JAN/86
21	OGS Mineral Potential Maps	YES	RS JAN/86
22	Theses on File, Kenora	NO	RS JAN/86
23	Aerial Photos on File, Kenora	YES	RS FEB/86
24	OBM Maps on File, Kenora	YES	RS JAN/86

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
▲ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
△ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . .Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
△ gn. . . . . .Galena
△ gt . . . . . .Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
△ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
△ hem . . . . . Hematite
△ il . . . . . .Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . .Magnesite
△ mag . . . . . .Magnetite
▲ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . .Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . .Millerite
△ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
△ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
△ po . . . . . .Pyrrhotite
△ q . . . . . .Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . .Shale
△ sid . . . . . Siderite
△ si . . . . . .Silica
▲ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod. . . . . Sodalite
△ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . .Tellurium
▲ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr . . . . . Zircon
△ Sb. . . . . .Antimony

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Avery Lake Occurrence	Au			OGS Map 2115
B	Avery Lake Occurrence # 2	Cu	K0124	MDC 16, p. 7	OGS Map 2115
C	Big Ruby Occurrence (H.W. 125 and H.W. 126) (Ruby)	Au	K0196	MDC 16, p. 9	1898: Assays taken from a 30 ft. shaft ranged from 1.0 to 82.0 oz/ton Au. The shaft has likely been filled in.
D	Dinorwic Lake Occurrence	Cu			OBM Vol 7 p. 124 Brief reference to native copper grains near the lake shore.
E	H.W. 123 Occurrence	Au, Ag, asp, py, cp			Grab samples from a chloritized, highly carbonatized shear zone, assayed up to 0.05 oz/ton Au and 0.42 oz/ton Ag. MP 122 p. 24.
F	H.W. 311 Occurrence	Au			Referenced on OGS Map 2115
G	McKenzie Creek Occurrence	Au			Referenced on OGS Map 2115

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
H	Niemi Occurrence	Au, Ag, td, cp, mc, py	K0212	MRC 13, p. 239	1950's: Rio Canadian Exploration Ltd., conducting stripping, trenching, driamond drilling, EM and SP surveys. At least 3 pits on a flat lying quartz body. No assessment work on file.
I	Pidgeon, G.L. Occurrence	Au, py			Sheared felsic dikes and metabasalt. Grab samples ran from trace to 2.0 oz/ton Au.
J	Unnamed Avery Township Occurrence	py			Only reference OGS Map 2115

Maigumd Lake Area

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KENORA COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1.	Asarco Exploration of Canada Ltd. 52F/9 NW; I-1				70[1]	70														
2.	Beth-Canada Mining Co. 52F/9 NW; J-1 AFRO file: 2.3127											79								
3.	Beth-Canada Mining Co. 52F/9 NW; J-2 AFRO file: 2.3249											78	78							
4.	Beth-Canada Mining Co. 52F/9 NW; J-3 AFRO file: 2.2818 & 2.889								78											
5.	Canadian Nickel Co. Ltd. 52F/9 NW; H-1				71	71														
6.	Glatz, A. 52F/9 NW; K-1			83		83														
7.	Kerr Addison Mines Ltd. 52F/9 NW; D-1				75	75														
8.	Selco Mining Corp. Ltd. 52F/9 NW; L-1				80	80														

Note 1 - Not submitted for assessment; drill hole locations not accurate.

GDIF 10RM 70

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
1.	Asarco Exploration of Canada Ltd.	49	Sept/70		-45°	11.0	160.0	py, po, gf	Cu, Zn, Pb, Ni, Au, Ag
2.	Canadian Nickel Co. Ltd.	42741-1	Feb./71	356°	-50°	36.0	790.0	po, py, cp	
3. a	Kerr Addison Mines Ltd.	PA-75-1	Sept/75	210°	-50°	10.0	315.0	py	Au
b	Kerr Addison Mines Ltd.	PA-75-2	Oct./75	210°	-50°	4.0	307.0	po, py	Au
c	Kerr Addison Mines Ltd.	PA-75-3	Oct./75	210°	-50°	17.0	401.0	py	Au
d	Kerr Addison Mines Ltd.	PA-75-4	Oct./75	210°	-50°	9.0	303.0		Au
4. a	Selco Mining Corp. Ltd.	135-1	May/80	331°	-45°	1.0	78.0	mag, py, cp	Au, Ag
b	Selco Mining Corp. Ltd.	135-2	May/80		-90°	6.0	50.0	py, cp	Au, Ag
c	Selco Mining Corp. Ltd.	135-3	May/80	332°	-45°	21.0	68.0	py	Au, Ag
d	Selco Mining Corp. Ltd.	135-4	May/80		-90°	1.0	50.0	py	Au, Ag
e	Selco Mining Corp. Ltd.	135-5	May/80		-90°	12.0	52.0		
f	Selco Mining Corp. Ltd.	135-6	May/80	331°	-45°	18.0	108.0		
g	Selco Mining Corp. Ltd.	135-7	May/80	331°	-45°	27.0	100.0		Au, Ag
h	Selco Mining Corp. Ltd.	135-8	June/80	292°	-45°	4.0	92.0	py	Au, Ag
5. a	Selco Mining Corp. Ltd.	135-9	June/80	270°	-45°	3.0	100.0	py, cp	Au, Ag
b	Selco Mining Corp. Ltd.	135-10	June/80	270°	-45°	3.0	97.0	py	Au, Ag
c	Selco Mining Corp. Ltd.	135-11	June/80	90°	-45°	4.0	55.0		Au, Ag

GDIF FORM NO. 3

Melgund Lake Area

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude (feet)	Flight Line Direction	Flight Line Spacing (feet)
4.	Questor Surveys Limited Beth Canada Mining Company 52F/9 NW; J-3	Magnetic	400	NW/SE	660

Melgund Lake Area

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
	No geochemical survey data on file as of January 27, 1986.			

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

No age dating on file as of January 27, 1986.

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kenora

No newspaper clippings on file as of January 27, 1986.

ODM GENERAL INDEX SEARCH

Words searched: Asarco, Avery Lake, Avery Township, Avery Lake Occurrence, Beth-Canada, Big Ruby Occurrence, Canadian Nickel Co. Ltd. (Inco), Dinorwic, Dinorwic Lake, Dryden Gold Area, Dyment, Glatz, A., Gold, H.W. 123, 125, 126, 311, Hartman Lake, Hartman Township, Kerr Addison, MacFie Township, McKenzie Creek, Melgund Lake, Niemi Occurrence, Pidgeon, G.L., Ruby Mine, Southworth Township.

Index Volume	Listing:	Report Volume	Part	Page
I	Big Ruby Mine.	7	2	124,179
	Dinorwic Lake.			
	Gold Mining near or on,	10		97
	Rocks near,	4		67
		22	1	231
	Soil near,	7		175,182
		N.O.		253
	Dyment Area.			
	Keewatin rocks near,	22	1	231
	Ruby Mine.			
	Notes by Parks,	7	2	179
II	Dinorwic.			
	Keewatin rocks near,	26		170,172
	Dryden Gold Area.			
	Rocks,	26		166-180
	Report (and map) by E. Thomson,	26		163-189
	Gold Claims,	30	2	49,51
		34	6	39-42
	Gold in Kenora District.			
	Dryden Area, report by E. Thomson,	26		163-189
	Southworth Township.			
	Rocks Keewatin,	26		169,170
	Later Granite,	26		176,177
IV	Dinorwic.			
	Glacial Deposits,	50	2	43,44
	Varved clay, photo; wave erosion,	50	2	45
	Rocks,	50	2	9,12,16
	Structure,	50	2	31
	Topography,	50	2	4, 5
	Dryden Gold Area.			
	Rocks near,	50	2	25

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
IV	Dryden - Wabigoon Area.			
	Geology, report on, by J. Satterly,	50	2	All
	Gold.			
	MacFie Township,	50	2	58,59
	Hartman Township.			
	Glacial deposits,	50	2	44
	Rocks,	50	2	29,30, 38
	Southworth Township.			
	Rocks,	50	2	9,16,19
	Structure,	50	2	31
	Varved clay, photo,	50	2	45
VI	Dyment Area.			
	Geology, report on, by J. Satterly,	69	6	All
	Gold in Kenora District.			
	Dyment Area,	69	6	24-27
	Pidgeon, G.L.			
	Gold Claims, Dyment Area,	69	6	2,26,27
IX	Dinorwic.			
	Southworth Township,	NOEGTS 022		10,12, 13
	Dinorwic Lake.	MP 89		5
	Hartman Lake.			
	Hartman Township, Kenora District,	NOEGTS 022		11

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL COMPILATION MAPS		
Blackburn, C.E.	1981	Kenora - Fort Frances, Kenora and Rainy River Districts. Geological Compilation Series.	OGS Map 2443	1" to 4 miles (1:253,440)
Davies, J.C.	1964	Manitou Lakes Sheet, Districts of Kenora and Rainy River. Geological Compilation Series.	ODM Map P. 242	1" to 2 miles (1:126,720)
Ferguson, S.A., Groen, H.A. Haynes, R.	1971	Gold Deposits of Ontario, Part 1.	ODM MRC 13	237 - 239
Gordon, J.B.	1977	Gold Deposits of Ontario, West Central Sheet, Districts of Kenora (Patricia Portion), Thunder Bay, Algoma and Cochrane. Mineral Deposits Series.	OGS Map P. 1227	1" to 16 miles (1:1,013,760)
		GEOPHYSICAL MAPS		
GEO-ANALYSIS (1981) Ltd.	1981	The Identification of Structural Linears From Landsat Imagery in Northwestern Ontario. Energy, Mines and Resources Canada, Earth Physics Branch, Seismological Service of Canada.	OF 82 - 13	9 Images at 1:250,000 5 Maps at 1:1,000,000
O.G.S. - G.S.C.	1977	Airborne Gamma-Ray Spectrometry Survey, Total Count Contours, Dryden Sheet, Districts of Kenora and Rainy River.	Prelim. Maps P. 1460 to P. 1466	1" to 4 miles (1:250,000)
O.D.M. - G.S.C.	1961	Dyment Sheet, 52F/9. Aeromagnetic Series.	Geophysics Paper 1145	1" to 1 mile (1:63,360)

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Roed, N.A.	1980	Wabigoon Lake Area, NTS 52F/NE, Kenora District Northern Ontario Engineering Geology Terrain Study. Accompanied by Map 5059.	NOEGTS 022	1:100,000
Zoltai, S.C.	1965	Surficial Geology, Kenora - Rainy River. Ont. Dept. of Lands and Forests.	MAP S165	1" to 8 miles (1:506,880)
		MINERAL POTENTIAL MAPS		
Springer, J.S.	1978	Dryden Sheet, Districts of Kenora and Rainy River. Mineral Deposits Series.	OGS Map P. 1530	1:250,000
Springer, J.S., Robertson, J.A., Vos, M.A.	1982	Mineral Potential Map of Ontario, West Central Sheet NTS 41 NW, 42 W, 43 SW, 52, 53 SE.	OFR 5326	1" to 16 miles
		GEOLOGICAL REPORTS AND MAPS		
Beard, R.C., Scott, W.R.	1976	Annual Report of the Regional and Resident Geologists 1975. Edited by C.R. Kustra.	ODM MP 064	p. 3 - 14
Beard, R.C., Garratt, G.L.	1976	Gold Deposits of the Kenora - Fort Frances Area. Districts of Kenora and Rainy River.	ODM MDC 16	1" to 4 miles (1:253,440)
Beard, R.C. Rivett, S.	1977	Annual Report of the Regional and Resident Geologists 1976.	OGS MP 071	p. 1 - 15

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Blackburn, C.E., Hailstone, M.R., Parker, J.	1985	Report of Activities 1984. Regional and Resident Geologists. Edited by C.R. Kustra.	OGS MP 122	p. 1 - 34
Blackburn, C.E., Bond, W.D., Breaks, F.W., Davis, D.W., Edward, G.R., Poulsen, K.H., Trowell, N.F., Wood, J.	1985	Evolution of Archean Volcanic - Sedimentary Sequences of the Western Wabigoon Subprovince and its Margins: A Review, Edited by Ayres, L.D., Thurston, P.C., Card, K.D., Weber, W.	GAC Special Paper 28	p. 89 - 116
Goodwin, A.M.	1965	Preliminary Report on Volcanism and Mineralization in the Lake of the Woods - Manitou Lake - Wabigoon Region of Northwestern Ontario.	ODM PR 1965-2	1" to 4 miles (1:250,000)
Goodwin, A.M.	1970	Archean Volcanic Studies in the Lake of the Woods - Manitou Lake - Wabigoon Region of Western Ontario.	OFR 5042	
Satterly, J.	1960	Geology of the Dyment Area. Accompanied by Map 1960h.	ODM Vol. 69 Part 6	1" to ½ mile (1:31,680)
Satterly, J.	1941	Geology of the Dryden - Wabigoon Area. Accompanied by Map 50e.	ODM Vol. 50 Part 2	1" to 1 mile (1:63,360)
Storey, C.C.	1983	Preliminary Report of the Building and Ornamental Stone Inventory, Part 1, Kenora and Rainy River Districts.	OFR 5446	p. 131
Storey, C.C.	1984	Preliminary Report of the Building and Ornamental Stone Inventory, Part 2, Kenora and Rainy River Districts.	OFR 5522	p. 118

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Thomson, Jas, E., Ferguson, S.A., Johnston, W.G., Pye, E.G., Savage, W.S., Thomson, R.	1957	Copper, Nickel, Lead and Zinc Deposits in Ontario.	ODM MRC 02	p. 20
Ziehlke, D.V.	1975	Eagle - Wabigoon - Dinorwic - Manitou Lakes Volcanic Belt. Centre for Precambrian Studies.	University of Manitoba 1975 Annual Report	p. 35 - 48

GDIF FORM NO.9

NOTES AND ADDENDA

AERIAL PHOTOGRAPH INDEX

Scale 1" to ¼ mile. (OGS)

1982

Roll	Line	Photo Numbers
25	4926	92 - 104
31,25	4927	98-100,19,21,23
32	4928	178 - 192
49,32	4929	50 - 64
4,51,27	4930	197 - 209
11	4931	148 - 162
13,49,11	4932	182-186,201,202

1965

Roll	Line	Photo Numbers
55	4226	27 - 39
67	4227	141 - 153
67	4228	23 - 38
67	4229	91 - 104
19	4230	235 - 248
8	4231	190 - 201

Scale 1" to 1 mile. (EMR)

1952

A13563	36 - 39 *
A21200	91 *
A13560	70 - 73 *

*Photographs on file in Resident Geologist's Office, Kenora.

ONTARIO BASE MAP SERIES

Scale 1:20,000

20 15 5300 54900 +
20 15 5400 54900 +
20 15 5500 54900 +
20 15 5300 55000 +
20 15 5400 55000 +
20 15 5500 55000
20 15 5300 55100 +
20 15 5400 55100 +
20 15 5500 55100

+Published Maps Currently Available.

GDIF FORM NO.10

MINERAL DEPOSITS FILE

Note: A deposits file is maintained at the Kenora Resident Geologist's Office, which contains the published data on the following mineral deposits.

1. Avery Lake Occurrence
2. Big Ruby Mine
3. Dinorwic Lake Occurrence
4. H.W. 456 and 457
5. H.W. 311 Occurrence
6. H.W. 123 Occurrence
7. McKenzie Creek Occurrence
8. Niemi Occurrence
9. Pidgeon-Avery Township Prospect

Hartman Lake

Nugget Cr.

Cr.

UNDER CONSTRUCTION

1

2

3

4

5

6

7

8

F

McHugh

Wee Sandy L

McKenzie Cr.

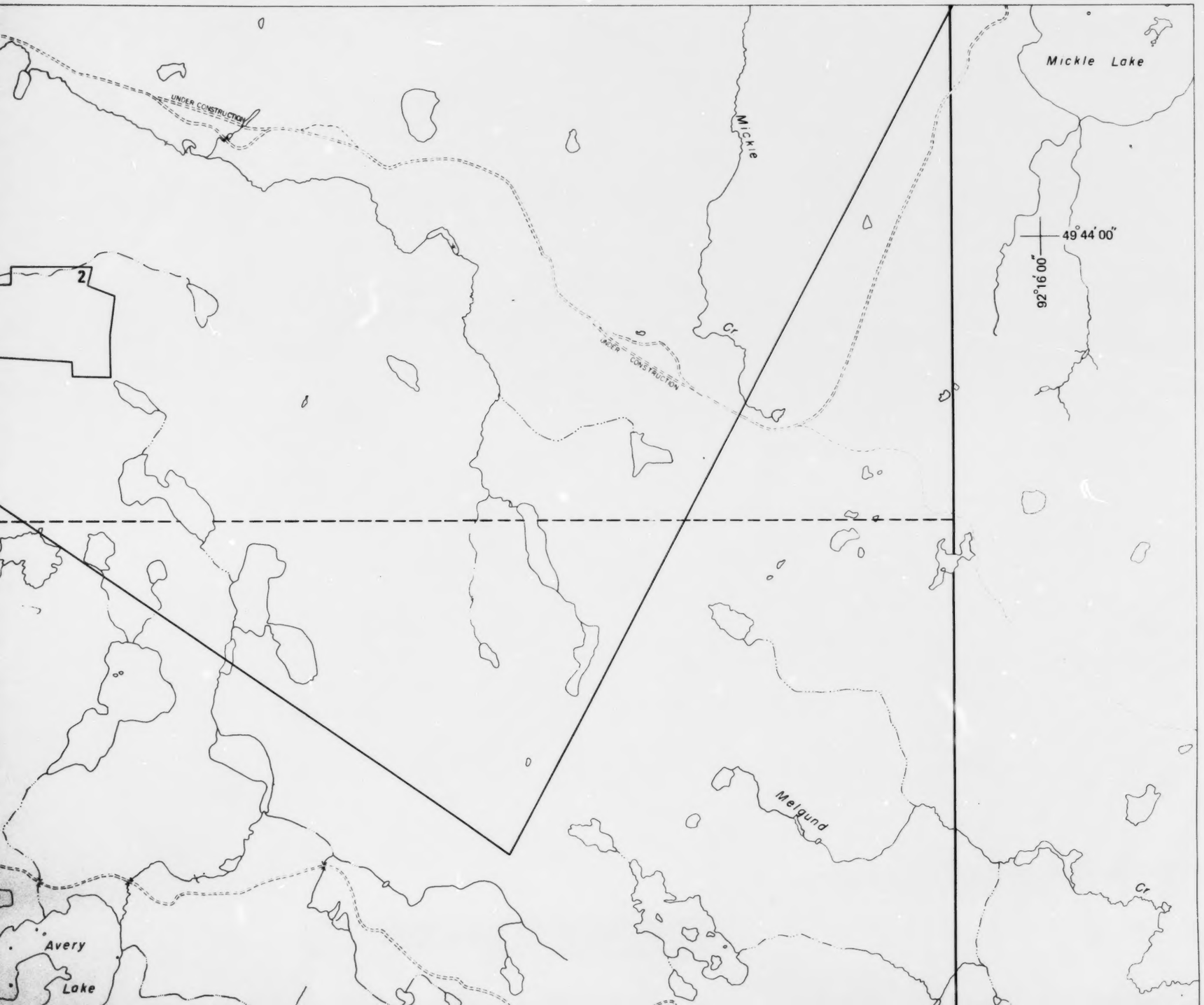
Hebden Cr.

Dinorwic

CNR

Cr.

Avery Lake



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 322

(Map 1 of 2)

MELGUND LAKE AREA

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

Dinorwic

F

C

E

H

Dinorwic Lake

Dinorwic Lake

Battle

92°29'00"

49°38'30"

Wabigoon Lake I.R. No. 27

Olli L.

Burnet L.

8

Avery Lake

AVERY

Melgund Lake

Kennabutch L.

Melg

AVERY

Avery Lake

Melgund

Cr.

Melgund Lake

Melgund Cr.

Kennabutch L.

Melgund Cr.

EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ — Geochemical sample site, with reference number
- ☐ ◆³ — Area of geochemical sampling, with reference number
- ☐ ✳² — Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ■ AM — Airborne magnetic anomaly
- ☐ — Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ — Airborne electromagnetic anomaly Location of anomaly along flight line
- ☐ — Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
- ■ M — Ground magnetic anomaly
- ■ VL — Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop; VLF - Very low freq; Turam; EM - 16)
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit
- ■ x — Island

Hartman Lake
Nugget Cr.
Cr.
AM
HL
M
Wee Sandy L
McHugh Cr.
McKenzie Cr.
Hebden Cr.
Dinorwic
Au G
Au py
Au A
Au F
Aver

Hartman Lake

Cr.

AM

HL

M

UNDER CONSTRUCTION

Mickie

Cr.

UNDER CONSTRUCTION

Au G

Cr.

McKenzie

Cr.

Hebden

Au py 1 2 3 4 5

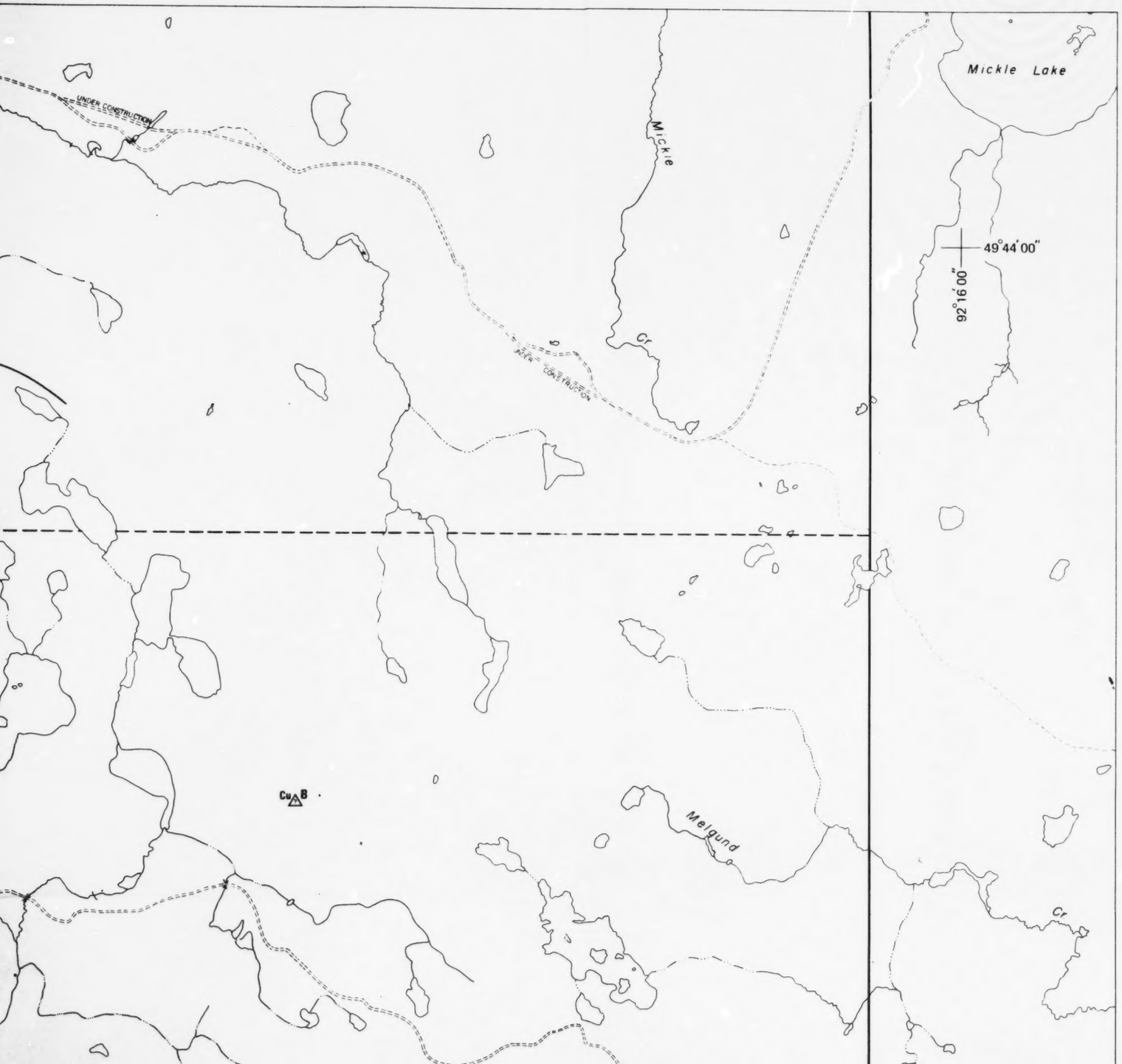
Au A

Cr.

Cu B

Avery Lake

Melgund



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 322

(Map 2 of 2)

MELGUND LAKE AREA

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ■ cp A. — Mineral occurrence at surface, with reference letter
- ■ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- ■ Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp A. — Mineralized float with reference letter

DRILLHOLE

- ■ ●² — Location of single drillhole, with reference number
- ■ ◉² — Location of closely spaced group of drillholes, with reference number
- □ (?)² — Drillhole, exact location uncertain, with reference number
- □ ○ — Property with underground drillholes in this general area, with reference number

AFMAG — Audio-frequency magnetic anomaly (total intensity)

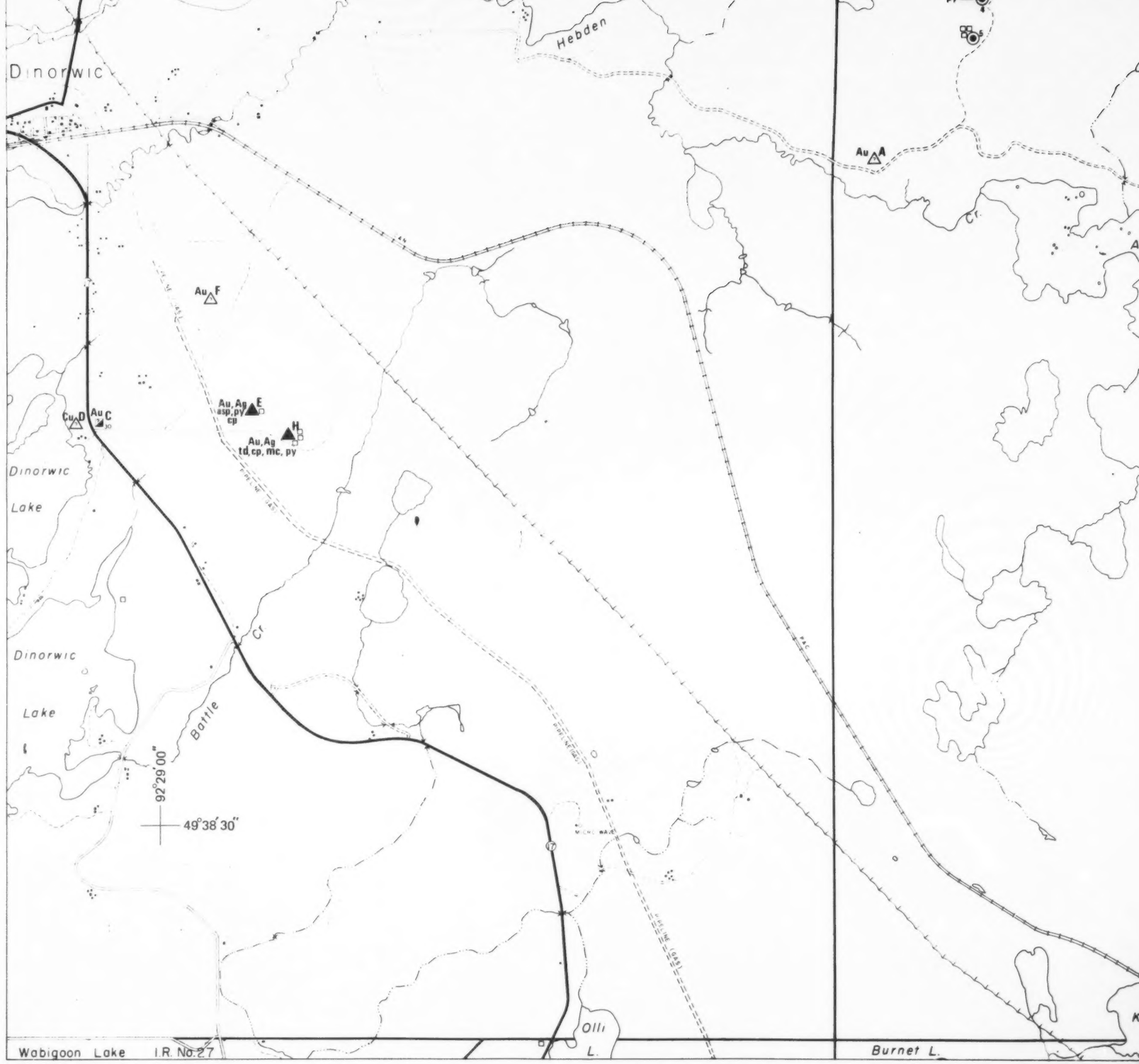
R — Resistivity anomaly

GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Stripped Area
- Rock quarry
- Sand and/or gravel pit
- Island (x)

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



AVERY

Hebden

Au A

Cu B

Melgund

Avery Lake

PY J

Au, Ag
cp, mc, py

Melgund Lake

Kennabutch L.

Olli L.

Burnet L.

Melgund Cr.

Cu B

Melgund

ery

Lake

AVERY

Py J

Melgund

Lake

Melgund Cr.

Melgund Cr.

rabutch L.

Cr.

- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter

DRILLHOLE

- ●² — Location of single drillhole, with reference number
- ◉² — Location of closely spaced group of drillholes, with reference number
- (?)² — Drillhole, exact location uncertain, with reference number
- ◎ — Property with underground drillholes in this general area, with reference number
- ○² — Property with drillholes which have not been plotted on map, with reference number
- ⊕² — Reverse circulation drillhole; churn drilling, with reference number